

# SEQUENCE LISTING

<110> Neri, Dario  
Melkko, Samu

<120> Encoded self-Assembling Chemical libraries (ESACHEL)

<130> 080058-005920US

<140> 10/507,140  
<141> 2005-09-19

<150> WO PCT/EP02/04153  
<151> 2002-04-15

<150> US 60/362,599  
<151> 2002-03-08

<160> 27

<170> PatentIn version 3.5

<210> 1  
<211> 60  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19VH\_Eco\_fo

<400> 1  
tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgcagct gttggagtct 60

<210> 2  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19VH\_Hind\_ba

<400> 2  
tcaatctgat taagcttagt gatggtgatg gtgatgacat ccaccactcg agacgggtgac 60  
cagggt 66

<210> 3  
<211> 63  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19VL\_Eco\_fo

<400> 3

tttcacacag aattcattaa agaggagaaa ttaactatgg aaattgtgtt gacgcagtct 60  
cca 63

<210> 4  
<211> 69  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19VL\_Hind\_ba

<400> 4  
tcaatctgat taagcttagt gatggtgatg gtgatgacat ccaccttga tttccacctt 60  
gggcccttg 69

<210> 5  
<211> 60  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer HH10VH\_Eco\_fo

<400> 5  
tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgaagct gcagcagtct 60

<210> 6  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer HH10VH\_Hind\_ba

<400> 6  
tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctgcag agacagtgac 60  
cagagt 66

<210> 7  
<211> 63  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer HH10VL\_Eco\_fo

<400> 7  
tttcacacag aattcattaa agaggagaaa ttaactatgg atattgtgct aactcagtc 60

cca

63

<210> 8  
<211> 69  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer HH10VL\_Hind\_ba

<400> 8  
tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctttta ttccagatt 60  
ggtccccc 69

<210> 9  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19\_5SH with 5'-thiol

<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> n is g modified by a thiol group

<400> 9  
ngagcttctg aattctgtgt gctgcataat cgacacgaat tccgcagc 48

<210> 10  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer L19\_3SH with 3'-thiol

<220>  
<221> modified\_base  
<222> (48)..(48)  
<223> n is c modified by a thiol group

<400> 10  
tcgcgagggg aattcgtcat atatcagcac acagaattca gaagctcn 48

<210> 11  
<211> 48  
<212> DNA  
<213> Artificial Sequence

<220>

```

<223> Synthetic Primer HyHel10_5SH with 5'-thiol

<220>
<221> modified_base
<222> (1)..(1)
<223> n is g modified by a thiol group

<400> 11
ngagcttctg aattctgtgt gctgcagtgg cgacacgaat tccgcagc 48

<210> 12
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer HyHel10_3SH with 3'-thiol

<220>
<221> modified_base
<222> (48)..(48)
<223> n is c modified by a thiol group

<400> 12
tcgcgagggg aattcgtcat agggcagcac acagaattca gaagctcn 48

<210> 13
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer GST_5SH with 5'-thiol

<220>
<221> modified_base
<222> (1)..(1)
<223> n is g modified by a thiol group

<400> 13
ngagcttctg aattctgtgt gctgctgagg cgacacgaat tccgcagc 48

<210> 14
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer GST_3SH with 3'-thiol

<220>
<221> modified_base
<222> (48)..(48)
<223> n is g modified by a thiol group

```

<400> 14  
 tcgcgagggg aattcgtcaa gaggcagcac acagaattca gaagctcn 48

<210> 15  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer 1AB\_PCRfo

<400> 15  
 ggagcttctg aattctgtgt gctg 24

<210> 16  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer 1APCRba

<400> 16  
 gctgcggaat tcgtgtcg 18

<210> 17  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer 1B\_PCRba

<400> 17  
 tcgcgagggg aattcgtc 18

<210> 18  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Primer with 5' sequence acting as a code for  
 sub-library A

<220>  
 <221> misc\_feature  
 <222> (1)..(5)  
 <223> n is a, c, g, or t

<400> 18  
 nnnnncagca cacagaattc agaagctcc 29

```

<210> 19
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer with 3' sequence acting as a code for
      sub-library B

<220>
<221> misc_feature
<222> (25)..(29)
<223> n is a, c, g, or t

<400> 19
ggagccttctg aattctgtgt gctgnnnnn                29

<210> 20
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer typeB_oligo

<400> 20
gcataaccgga attoccagca taatgatcgc tatcgctgc        39

<210> 21
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic 5' end of Primer typeA_oligo with spacer element

<220>
<221> modified_base
<222> (43)..(43)
<223> n is c modified through a 3' phosphodiester bond by 6 abasic
      nucleotides linked through a phosphodiester bond to the 5' end of
      SEQ ID NO:30

<400> 21
cgtcagctcg aattctccat atatgcagcg atagcgatn        39

<210> 22
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

```

<223> Synthetic Primer CodeABfo

<400> 22  
gcataccgga attcccag 18

<210> 23  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer CodeABba

<400> 23  
cgtcagctcg aattctcc 18

<210> 24  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Primer linked to primer by a biotinylated base analog  
with 5' sequence specific for a chemical moiety

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> n = biotinylated base analog modified by an oligonucleotide  
of undefined length

<400> 24  
ncagcacaca gaattcagaa gctcc 25

<210> 25  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic sequence at the C-terminus of products subcloned into  
pQE12

<400> 25

Gly Gly Cys His His His His His His  
1 5

<210> 26  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
 <223> Synthetic 3' end of Primer typeA\_oligo with spacer element  
  
 <220>  
 <221> modified\_base  
 <222> (1)..(1)  
 <223> n is c modified through a 5' phosphodiester bond by 6 abasic  
 nucleotides linked through a phosphodiester bond to the 3' end of  
 SEQ ID NO:21  
  
 <400> 26  
 ntgggaattc cggatatgc 18  
  
 <210> 27  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic Primer linked to primer by a biotinylated base analog  
 with 5' sequence specific for a chemical moiety  
  
 <400> 27  
 cagcacacag aattcagaag ctcc 24